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**MEMO**

To: Bonnie Lavelle, Chris Weis  
From: Bill Brattin WJB  
Date: 8/13/99  
Subj: Acute RfD for Arsenic at VBI70

Bonnie and Chris:

This memo is to correct an error of omission which occurred in Appendix D of the Phase III Field Investigation Project Plan for the VBI70 Site. In this Appendix, an acute oral RfD for arsenic of 0.1 mg/kg/day was used to calculate an acute risk-based concentration value for arsenic in soil. The appendix lists ATSDR 1993 and ATSDR 1998 as the references for this value. As written, the text implies that ATSDR has derived and is recommending a value of 0.1 mg/kg/day as an appropriate acute oral RfD for arsenic. This is not correct. ATSDR has not derived any acute oral RfD for arsenic. What was intended (and omitted by oversight) is the following language:

Neither EPA nor ATSDR have derived an acute oral RfD for arsenic. However, review of available data on the intake rates of arsenic that have been associated with acute effects in humans and animals (ATSDR 1993, 1998) indicates that adverse effects have not been reported at doses less than about 0.5 mg/kg/day. On this basis, a value of 0.1 mg/kg/day has been selected to serve as the oral RfD for the evaluation of acute risks from arsenic at this site.

Please advise me if you wish to issue a replacement for Appendix D which contains this correction.